U.S. COAST GUARD
618

PLATE NO. 1
COVER

BOOKLET OF GENERAL PLANS WMEC 618-ACTIVE

DWG. NO. 618WMEC-085-181

GENERAL DESCRIPTION

DWG. NO. 618WMEC-085-181
SHEET NO. 1 OF 2
PLATE NO. 2

LIFE BOAT AND DAVIT DATA

ONE (1) 25'-8" SURFBOAT (STBD.) MOTOR DRIVEN
THE DESIGN PRESSURE FOR THE DAVIT SYSTEM (7000#/PR CAP.)
FOUR (4) TWENTY FIVE MAN INFLATABLE LIFE RAFTS
ONE (1) SIX METER RIGID HULL INFLATABLE BOAT W/OUTBD. MOTORS (PORT)
ONE (1) SINGLE POINT DAVIT CRANE W/CONTROL CONSOLE (5000# CAP.)

STEERING GEAR DATA

ELECTRO-HYDRAULIC FOR TWIN RUDDER APPLICATION
THE DESIGN PRESSURE FOR THE HYDRAULIC SYSTEM SHALL NOT EXCEED 2000 PSIG.

REFRIGERATION PLANT

TWO (2) REFRIGERATION CONDENSING UNITS, WATER COOLED TYPE, APPROX. ONE (1) TON CAPACITY.

DECK MACHINERY DATA

ONE (1) ELECTRIC MOTOR DRIVEN WARPING CAPSTAN (2400)# AT 110 FPM/ 7200# AT 37 FPM.

TWO (2) CAPSTAN WINDLESS-W/2800# STOCKLESS ANCHOR AND 105 FA OF 1 3/8" GI-LOK CHAIN, EACH (CAPSTAN-4000# AT 40 FPM.)

EQUIPMENT

TWO (2) 500 LB. PORTABLE DAVITS.
ONE (1) 1500 LB. PORTABLE DAVIT.

DEADWEIGHT DISPLACEMENT & LIGHTSHIP

LIGHTSHIP	822 LT (EST)
MINIMUM OPERATING CONDITION	1011 LT (EST)
FULL LOAD CONDITION	1070 LT (EST)

NOTE: FOR THE ABOVE INFORMATION REFER TO THE LATEST STABILITY TEST REPORT.

HOLD AND TANK CAPACITIES

TOTAL FUEL CAPACITY	47,146 GAL.
TOTAL FW CAPACITY	11,145 GAL.
TOTAL JP-5 FUEL CAPACITY	4,730 GAL.
TOTAL LUBE OIL CAPACITY	2,342 GAL.

POWER PLANT AND SPEED

DIESEL ENGINES TWO (2)	2500 H.P. EACH
SHAFT HORSEPOWER (TOTAL)	5000 H.P.
SUSTAINED SPEED	18 KNOTS

PROPELLER

NUMBER OF BLADES	4
DIAMETER IN FEET	7'-6"
WEIGHT, ESTIMATED	5120 LBS. EACH
WEIGHT, ESTIMATED W/SHAFTING	21,427 LBS.

GENERATING PLANT

TWO (2) 250 KW AT .8 POWER FACTOR DIESEL GENERATOR
3-PHASE, 60 CYCLE, 450 VOLT AC.

PRINCIPAL CHARACTERISTICS

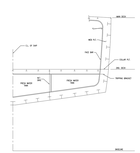
LENGTH OVERALL	210'-6"
LENGTH ON DESIGN WATERLINE	200'-0"
BEAM, EXTREME MOLDED	34'-0"
DEPTH MOLDED, MAIN DECK AT MIDSHIPS	19'-6"
DESIGN DRAFT, MAXIMUM	10'-6"
HIGHEST PROJECTION ABOVE KEEL MIDSHIPS	87'-0"

ARMAMENT

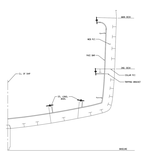
INSTALLED
ONE (1) 25 MM GUN MK 38 MODEL
TWO (2) 50 CAL. MACHINE GUNS

GENERAL DESCRIPTION
SHIP'S NAME: ACTIVE
SHIP'S HULL: WMEC 618
SCALE: NONE

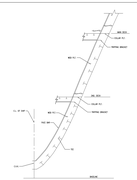
DWG. NO. 618WMEC-085-181
SHEET NO. 1 OF 2
PLATE NO. 3



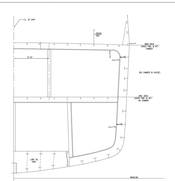
SIDE FRAME 180 AFT



SIDE FRAME 148 AFT



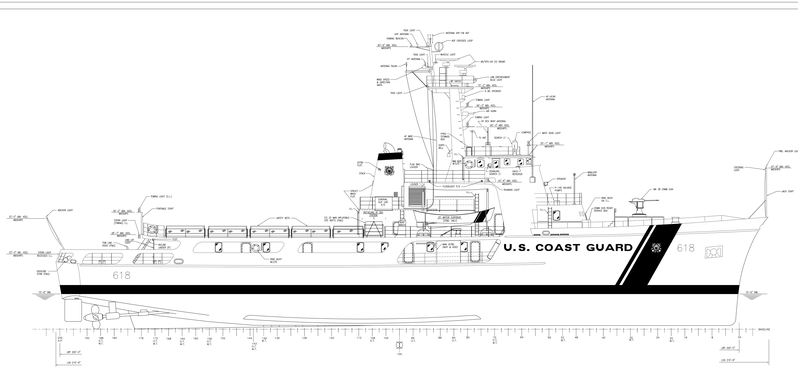
SIDE FRAME 26 FWD



SECTION AT FRAME 102

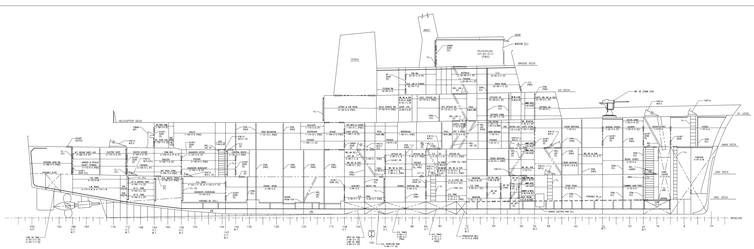
TYPICAL SECTIONS
SHIP'S NAME: ACTIVE
SHIP'S HULL: WMEC 618
SCALE: 1/4"=1'-0"

DWG. NO. 618WMEC-085-181
SHEET NO. 1 OF 2
PLATE NO. 4



OUTBOARD PROFILE
SHIP'S NAME: ACTIVE
SHIP'S HULL: WMEC 618
SCALE: 1/8"=1'-0"

DWG. NO. 618WMEC-085-181
SHEET NO. 1 OF 2
PLATE NO. 5



INBOARD PROFILE
SHIP'S NAME: ACTIVE
SHIP'S HULL: WMEC 618
SCALE: 1/8"=1'-0"

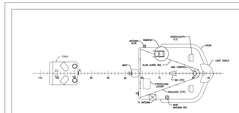
REVISIONS						
REV	SHT 1	ZONE	DESCRIPTION	BY	DATE	APPROV
A	2	-	ADDED PLAN VIEW OF TANKS BELOW 3RD DECK ON PLATE NO.5	JAL	6-30-86	RB JRD
B	1,2	ALL	CHANGES WERE MADE TO PLATE NO.4 IN ACCORDANCE WITH AS-BUILT CONDITIONS ON VESSEL.	JAL NJM	11-26-86	RB JRD
C	1,2	-	ADDED "APPLICABLE TO" LIST	MRA		RB JRD
D	1,2	ALL	1. CHANGED DRAWING NUMBER TO SWBS EQUIVALENT AND CONVERTED DRAWING TO ELECTRONIC FORMAT AS PER CHANGE 20 TO 210' WMEC MNA-1140 SPECIFICATION.	JN	7/27/99	TGB

GENERAL NOTES

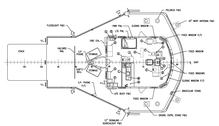
1. THIS DRAWING WAS DEVELOPED IN ACCORDANCE WITH GUIDANCE SPECIFICATIONS FOR 210 CLASS WMEC MAJOR MAINTENANCE AVAILABILITY.

PLAN DISTRIBUTION

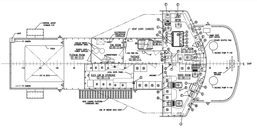
	DATE ISSUED
WELDING SHOP	
ELECTRICAL SHOPS	
E1	
E2	
MECHANICAL SHOPS	
M1	
M2	
M3	
ELECTRICAL SHOPS	
E3	
E4	
PIPE SHOPS	
P1	
P2	
P3	
SHOP 26	
SHOP 26 TAB 2-14	
SHOP 26 TAB 2-15	
SHOP 26 TAB 2-16	
SHOP 26 TAB 2-17	
SHOP 26 TAB 2-18	
SHOP 26 TAB



PILOT HOUSE TOP



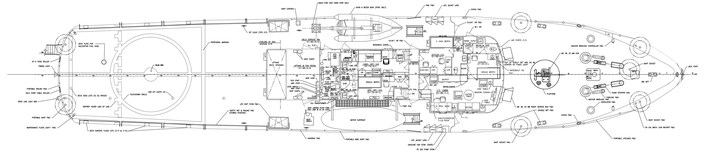
BRIDGE DECK



02 DECK

DWG. NO. 618WMEC-085-181
SHEET 2 of 2
PLATE No. 10

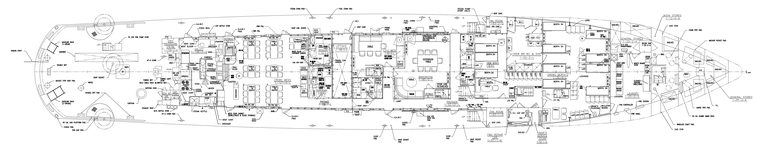
02 DECK & ABOVE
SHIP'S NAME: ACTIVE
SHIP'S HULL NMEC: 618
SCALE: 1/8"=1'-0"



01 DECK

DWG. NO. 618WMEC-085-181
SHEET 2 of 2
PLATE No. 9

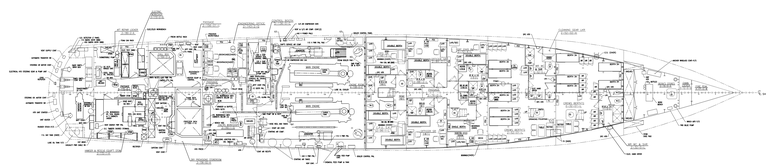
01 DECK
SHIP'S NAME: ACTIVE
SHIP'S HULL NMEC: 618
SCALE: 1/8"=1'-0"



MAIN DECK

DWG. NO. 618WMEC-085-181
SHEET 2 of 2
PLATE No. 8

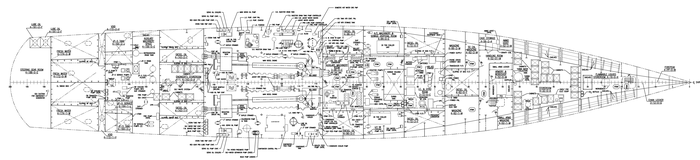
MAIN DECK
SHIP'S NAME: ACTIVE
SHIP'S HULL NMEC: 618
SCALE: 1/8"=1'-0"



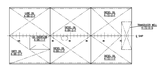
SECOND DECK

DWG. NO. 618WMEC-085-181
SHEET 2 of 2
PLATE No. 7

SECOND DECK
SHIP'S NAME: ACTIVE
SHIP'S HULL NMEC: 618
SCALE: 1/8"=1'-0"



THIRD DECK



1 MAIN BELOW THIRD DECK

DWG. NO. 618WMEC-085-181
SHEET 2 of 2
PLATE No. 6

THIRD DECK
SHIP'S NAME: ACTIVE
SHIP'S HULL NMEC: 618
SCALE: 1/8"=1'-0"

* 9000 SERIES DRAWING NUMBER WAS 618WMEC-0102-01

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593
OFFICE OF NAVAL ENGINEERING

210' WMEC "A" CLASS

BOOKLET OF GENERAL PLANS

SIZE	ITEM CODE NO	SCALE DRAWING NO	REV
H	81340	618WMEC-085-181	D

SCALE AS NOTED TRUE SQ FT SHEET 2 OF 2

PLOT SCALE: 1=48 1 FILE CODE: 08510020

618WMEC-085-181 D